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United States Government **Department of Energy**

Bonneville Power Administration

memorandum

DATE: October 17, 2006

REPLY TO ATTN OF: KEC-4

SUBJECT: Supplement Analysis for the Watershed Management Program EIS (DOE/EIS-0265/SA-280)

TO: Jay Marcotte - KEWL-4
Fish and Wildlife Project Manager

Proposed Action: Yakima Tributary Access and Habitat Program (YTAHP) - Parke Creek (Eslinger & Sorenson) Irrigation Diversion and Fish Screen Project

Project No: 2002-025-01

Watershed Management Techniques or Actions Addressed Under This Supplement Analysis (See Appendix A of the Watershed Management Program EIS):

1.4 Pre-Implementation Evaluation of Proposed Enhancements
1.5 Install Grade Control Structures and Check Dams
1.6 Install Large Woody Debris Structures
1.8 Bank Protection through Vegetation Management
1.10 Structural Bank Protection Using Engineered Structures
1.14 Reduce Scour and Deposition at Hydraulic Structures
2.1 Maintain Healthy Riparian Plant Communities
4.1 Irrigation Water Management
4.2 Water Measuring Devices
4.10 Water Conveyance: Pipeline
4.23 Intake and Return Diversion Screens

Location: Kittitas County, Washington

Proposed by: Bonneville Power Administration (BPA) and Kittitas County Conservation District (KCCD)

Description of the Proposed Action: BPA is proposing to fund a fish habitat enhancement project with KCCD. The project involves converting a 9 cubic feet per second (cfs) unscreened gravity diversion to a screened pumped diversion; installing pipe to efficiently deliver irrigation water to the two users. Currently the landowners use a full span concrete dam structure to divert their irrigation water through an earthen ditch. The project will move their point of diversion upstream 300 feet to facilitate converting to pumps.

Four concrete pads will be poured in a farmed field adjacent to Parke Creek and Denmark Road for the placement of one jib crane and three pumps, each with a capacity of up to 3 cfs. Electrical service, pumps, and piping down to the creek will be installed at the pad locations, 300 feet upstream of the current point of diversion.

A portion of the streambank will be excavated to allow for the installation of a log weir into the current streambed. The log will be keyed into the bank of Parke Creek to minimize the potential for erosion around the log, and rock fill will hold it in place. The log will be fitted with steel pipe braces, allowing irrigators to check the water surface elevation 12" in order to maintain proper pool depth for the pump screens. The instream work and pumps are in an area of approximately 5400 square feet and the pipeline will be approximately 4800 linear feet long.

Analysis: The compliance checklist for this project was completed by Jennifer Scott, Fish and Wildlife Biologist with the Washington Department of Fish and Wildlife, and meets the standards and guidelines for the Watershed Management Program Environmental Impact Statement (EIS) and Record of Decision (ROD).

In complying with the requirements of Section 7 of the Endangered Species Act (ESA), listed species that may occur in the general vicinity of the project area include: gray wolf (*Canis lupus*), bull trout-Columbia River DPS (*Salvelinus confluentus*), bald eagle (*Haliaeetus leucocephalus*), Canada lynx (*Lynx canadensis*), grizzly bear (*Ursus arctos horribilis*), marbled murrelet (*Brachyramphus marmoratus*), northern spotted owl (*Strix occidentalis*), Ute ladies'-tresses (*Spiranthes diluvialis*), bull trout critical habitat, northern spotted owl critical habitat, and mid-Columbia River steelhead.

BPA has determined that the actions for the YTAHP - Parke Creek Irrigation Diversion and Fish Screen Installation Project may affect, but are not likely to adversely affect bull trout-Columbia River DPS. In addition, BPA has determined that the project will have no effect on gray wolf, bald eagle, Canada lynx, grizzly bear, marbled murrelet, northern spotted owl, Ute ladies'-tresses, bull trout critical habitat, and northern spotted owl critical habitat in association with this proposed project. The U.S. Fish and Wildlife Service concurred with this determination in a letter dated October 4, 2006.

The location of the proposed project is not currently used by mid-Columbia River steelhead for spawning, rearing and/or migration habitat. The proposed project will improve juvenile and adult survival by converting from an unscreened gravity diversion to a pump system with pipeline; thereby eliminating entrainment into an irrigation canal. BPA has determined that if conducted in accordance with the applicable terms and conditions identified in the ESA Section 7 Consultation Biological Opinion (BO) and Magnuson-Stevens Fishery Conservation and Management Act Essential Fish Habitat Consultation for BPA's Habitat Improvement Program (HIP BO), the Parke Creek (Eslinger & Sorenson) Irrigation Diversion and Fish Screen Project meets the requirements of consistency and no further consultation is required.

In complying with the requirements of Section 106 of the National Historic Preservation Act (NHPA), a cultural resources inventory was conducted on the proposed Parke Creek (Eslinger & Sorenson) Irrigation Diversion and Fish Screen Project by archaeologists from Central Washington University. As a result of this inventory, the Sorenson-Eslinger diversion was identified as a historic agricultural property and documented into the Washington Department of Historic Preservation Historic Inventory Access Database. The diversion, however, has been modified through time and has lost integrity and is not considered National Register eligible. No other cultural and/or historic resources were identified within the project area. In a letter dated March 13, 2006, the Washington State Department of Archaeology and Historic Preservation concurred with this determination. In the unlikely event that archaeological

material is discovered during project implementation, work will be halted in the vicinity of the findings until an inspection and assessment can be done.

Standard water quality protection procedures and Best Management Practices will be followed during the implementation of the Parke Creek (Eslinger & Sorenson) Irrigation Diversion and Fish Screen Project. No construction is authorized to begin until the proponent has obtained all applicable permits and approvals.

Public/stakeholder involvement has occurred as part of the Parke Creek (Eslinger & Sorenson) Irrigation Diversion and Fish Screen Project. The Kittitas County Conservation District has proactively and cooperatively worked with landowners, tribal representatives, and local, state, and federal agencies to apprise them of the project scope and status. Individual consultation has been done with Steve Rosbach (landowner), and Robert Dodge (landowner), as well as Kevin Eslinger (irrigator) and Paul Sorenson (irrigator).

Findings: The project is generally consistent with the Northwest Power Planning Council's Fish and Wildlife Program, as well as BPA's Watershed Management Program EIS (DOE/EIS-0265) and ROD. This Supplement Analysis finds that: 1) implementing the proposed action will not result in any substantial changes to the Watershed Management Program that are relevant to environmental concerns; and 2) there are no significant new circumstances or information relevant to environmental concerns and bearing on the Watershed Management Program or its impacts. Therefore, no further NEPA documentation is required.

/s/ Dawn R. Boorse
Dawn R. Boorse
Environmental Specialist - KEC-4

CONCUR:

/s/ Katherine S. Pierce DATE: *October 19, 2006*
Katherine S. Pierce
NEPA Compliance Officer - KEC-4

Attachment:
NEPA Compliance Checklist